

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Conkling, et al.
Serial No.: To Be Assigned
Filed: Concurrently Herewith
For: *REGULATION OF QUINOLATE PHOSPHORIBOSYL TRANSFERASE EXPRESSION*

Date: December 30, 2003

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a copy of the PTO-1449 as filed in parent application serial number 09/963,343; filed September 24, 2001, with the filing date of the parent application struck through and the filing date of the above-referenced application written in.

Attached is a copy of the PTO-1449 as filed in parent application serial number 09/021,286; filed February 10, 1998, with the application number and filing date of the parent application struck through and the filing date of the above-referenced application written in.

A copy of each of the references above has been submitted to, or cited by, the Examiner in the parent application and is not provided herewith.

It is requested that all of these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,



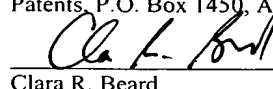
Jarett K. Abramson
Registration No. 47,376

Customer No. 20792

Myers Bigel Sibley & Sajovec, P.A.
P. O. Box 37428
Raleigh, North Carolina 27627
Telephone: (919) 854-1400
Facsimile: (919) 854-1401

CERTIFICATE OF EXPRESS MAILING

"Express Mail" mailing label number: EV 193584035 US
Date of Deposit: December 30, 2003
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Clara R. Beard

Substitute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	To Be Assigned
		Filing Date	September 21, 2001 December 30, 2003
		First Named Inventor	Mark A. Conkling
		Group Art Unit	
		Examiner Name	
Sheet 1 of 2	Attorney Docket Number	5051.338CTDV	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
	1	5,107,065		Shewmaker et al.	4/21/92	
	2	5,254,800		Bird et al.	10/19/93	
	3	5,260,205		Nakatani et al.	11/9/93	
	4	5,356,799		Fabijanski et al.	10/18/94	
	5	5,365,015		Grierson et al.	11/15/94	
	6	5,369,023		Nakatani et al.	11/29/94	
	7	5,451,514		Boudet et al.	9/19/95	
	8	5,453,566		Shewmaker et al.	9/26/95	
	9	5,610,288		Rubenstein	3/11/97	
	10	5,684,241		Nakatani et al.	11/4/97	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	11		WO 00/67558		PCT			
	12		WO 93/0546		PCT			
	13		WO 94/28142		PCT			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	14	Burtin, D., et al., <i>Over expression of Arginine Decarboxylase in Transgenic Plants</i> , <u>Biochem. J.</u> , Vol. 325 (Part 2), pp. 331-337 (1997).	
	15	Bush, et al., <i>Nicotine Biosynthetic Enzymes of Burley Tobacco</i> , <u>Tobacco Abstracts</u> , Vol. 24, pg. 260 (1980)	
	16	Bush, et al., <i>Physiological Aspects of Genetic Variation in Nicotine Content in Tobacco (Nicotiana tabacum)</i> , <u>Tobacco Abstract</u> , Vol. 23, pg. 30 (1979).	
	17	Conkling, et al., <i>Isolation of transcriptionally regulated root-specific genes from tobacco</i> ; <u>Plant Physiology</u> , Vol. 93, No. 3, pp. 1203-1211 (1990)	
	18	Copy of International Search Report – date of mailing 22/10/98	
	19	Cornelissen, et al., <i>Both RNA Level and Translation Efficiency are Reduced by Anti-Sense RNA in Transgenic Tobacco</i> , <u>Nucleic Acids Res.</u> , Vol. 17, No. 3., pp. 833-843 (1989).	
	20	Crowley, et al., <u>Cell</u> , Vol. 43, pp. 633-641 (1985)	
	21	Cuozzo, et al., <i>Viral Protection in Transgenic Tobacco Plants Expressing the Cucumber Mosaic Virus Coat Protein Or Its Antisense RNA</i> , <u>Biotechnology</u> , Vol. 6, pp. 549-557 (1988)	
	22	Delauney, et al., <i>A Stable Bifunctional Antisense Transcript Inhibiting Gene Expression in Transgenic Plants</i> , <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 85, pp. 4300-4304 (1988)	
	23	Ecker, et al., <i>Inhibition of Gene Expression in Plant Cells by Expression of Antisense RNA</i> , <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 83, pp. 5372-5376 (1986)	
	24	Feth, et al., <i>Regulation in Tobacco Callus or Enzyme Activities of the Nicotine Pathway</i> , <u>Planta</u> , Vol. 168, pp. 402-407	
	25	Hamill, et al.; <i>Over-expressing a yeast ornithine decarboxylase gene in transgenic roots of Nicotiana rustica can lead to enhanced nicotine accumulation</i> , <u>Plant Molecular Biology</u> , Vol. 15, pp. 27-38 (1990)	
	26	Hemenway, et al., <i>Analysis of the Mechanism of Protection in Transgenic Plants Expressing the Potato Virus x Coat Protein or Its Antisense RNA</i> , <u>EMBO J.</u> , Vol. 7, pp. 1273-1280	
	27	Hibi, et al., <i>Gene Expression in Tobacco Low-Nicotine Mutants</i> , <u>Plant Cell</u> , Vol. 6, pp. 723-735 (1994)	
	28	Holmberg, et al.; <i>Transgenic tobacco expressing Vitreoscilla hemoglobin exhibits enhanced growth and altered metabolite production</i> , <u>Nature Biotechnology</u> , Vol. 15, pp. 244-247 (1997)	
	29	Hughes, Kelly T., et al., <i>The Salmonella typhimurium nadC Gene: Sequence Determination by Use of Mud-P22 and Purification of Quinolinate Phosphoribosyltransferase</i> , <u>Journal of Bacteriology</u> , Vol. 175, No. 2, pp. 479-486 (Jan. 1993)	
	30	Izant, et al., <i>Constitutive and conditional Suppression of Exogenous and Endogenous Genes by Anti-Sense RNA</i> , <u>Science</u> , Vol. 229, pp. 345-352 (1985)	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	To Be Assigned
				Filing Date	September 21, 2001
				First Named Inventor	Mark A. Conkling
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	5051.338CT

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	31	Izant, et al., <i>Inhibition of Thymidine Kinase Gene Expression by Anti-Sense RNA: A Molecular Approach to Genetic Analysis</i> , <u>Cell</u> , Vol. 36, pp. 1007-1015 (April 1984)	
	32	Kim, et al., <i>Stable Reduction of Thymidine Kinase Activity in Cells Expressing High Levels of Anti-Sense RNA</i> , <u>Cell</u> , Vol. 42, pp. 129-138 (August 1985)	
	33	Lam, et al., <i>Site-Specific Mutations Alter In Vitro Factor Binding and Change Promoter Expression Pattern in Transgenic Plants</i> , <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 86, pp. 7890-7894 (1989)	
	34	Lichtenstein, <i>Anti-sense RNA As A Tool To Study Plant Gene Expression</i> , <u>Nature</u> , Vol. 333, pp. 801-802 (1988)	
	35	McGarry, et al., <u>Proc. Natl. Acad. Sci. USA</u> (1986)	
	36	Melton, <i>Injected Anti-Sense RNAs Specifically Block Messenger RNA Translation In Vivo</i> , <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 82, pp. 144-148 (1985)	
	37	Mizuno, et al., <i>A Unique Mechanism Regulating Gene Expression: Translational Inhibition By a Complementary RNA Transcript (micRNA)</i> , <u>Trends in Genetics</u> , Vol. 1, pp. 22-25 (1985)	
	38	Ohta, et al., <i>Metabolic Key Step Discriminating Nicotine Producing Tobacco Callus Strain From Ineffective One</i> , <u>Biochem. Physiol. Pflanzen</u> , Vol. 175, pp. 382-385 (1980)	
	39	Pestka, et al., <i>Anti-mRNA: Specific Inhibition of Translation of Single mRNA Molecules</i> , <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 81, pp. 7525-7528 (1984)	
	40	Poulsen, et al., <i>Dissection of 5' Upstream Sequences for Selective Expression of the Nicotiana Plumbaginifolia rbcS-8B gene</i> , <u>Mol. Gen. Genet.</u> , Vol. 214, pp. 16-23 (1988)	
	41	Preiss, et al., <i>Molecular genetics of Krüppel, A Gene Required for Segmentation of the Drosophila Embryo</i> , <u>Plant Molecular Biology</u> , Vol. 11, pp. 463-471 (1988)	
	42	Rezaian, et al., <i>Anti-Sense RNAs of Cucumber Mosaic Virus in Transgenic Plants Assessed For Control of the Virus</i> , <u>Plant Molecular Biology</u> , Vol. 11, pp. 463-471 (1988)	
	43	Rodermel, et al., <i>Nuclear-Organelle Interactions: Nuclear Antisense Gene Inhibits Ribulose Biphosphate Carboxylase Enzyme Levels In Transformed Tobacco Plants</i> , <u>Cell</u> , Vol. 55, pp. 673-681 (1988)	
	44	Rosenberg, et al., <i>Production of Phenocopies by Krüppel Antisense RNA Injection Into Drosophila Embryos</i> , <u>Nature</u> , Vol. 313, pp. 703-706 (1985)	
	45	Rothstein, et al., <i>Stable and Heritable Inhibition of the Expression of Nopaline Synthase in Tobacco Expressing Antisense RNA</i> , <u>Proc. Natl. Sci. USA</u> , Vol. 84, pp. 8439-8443 (1987)	
	46	Sandler, et al., <i>Inhibition of Gene Expression in Transformed Plants by Antisense RNA</i> , <u>Plant Molecular Biology</u> , Vol. 11, pp. 301-310 (1988)	
	47	Saunders, et al., <i>Comparison of Nicotine Biosynthetic Enzymes in Nicotine Level Genotypes of Burley Tobacco</i> , <u>Agronomy Abstracts</u> , pg. 84 (1978)	
	48	Saunders, et al., <i>Enzyme Activities in Nicotine Biosynthesis in Nicotiana Tabacum</i> , <u>Journal of National Products</u> , Vol. 41, pg. 646	
	49	Sheehy, et al., <i>Reduction of Polygalacturonase Activity in Tomato Fruit by Antisense RNA</i> , <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 85, pp. 8805-8809 (1988)	
	50	Smith, et al., <i>Antisense RNA Inhibition of Polygalacturonase Gene Expression in Transgenic Tomatoes</i> , <u>Nature</u> , Vol. 334, pp. 724-726 (1988)	
	51	Song, Wen, <i>Molecular characterizations of two tobacco root-specific genes: TobRB7 and NtQPT1</i> (1997); UMI, Order No. DA9804246 from: Diss. Abstr. Int., B, Vol. 58, No. 8, pg. 4061; 224 pp. available; XP002080228	
	52	Travers, <i>Regulation by Anti-Sense RNA</i> , <u>Nature</u> , Vol. 310, pg. 410 (1984)	
	53	Van der Krol, et al., <i>An Anti-Sense Chalcone Synthase Gene in Transgenic Plants Inhibits Flower Pigmentation</i> , <u>Nature</u> , Vol. 333, pp. 866-869 (1988)	
	54	Van der Krol, et al., <i>Antisense Genes in Plants; An Overview</i> , <u>Gene</u> , Vol. 72, pp. 45-50 (1988)	
	55	Van der Krol, et al., <i>Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences</i> , <u>Biotechniques</u> , Vol. 6, pp. 958-976 (1988)	
	56	Wagner, et al., <i>Regulation in Tobacco Callus of Enzyme Activities of the Nicotine Pathway</i> , <u>Planta</u> , Vol. 168, pp. 408-412.	
	57	Wagner, et al., <i>The Regulation of Enzyme Activities of the Nicotine Pathway in Tobacco</i> , <u>Physiol. Plantarum</u> , Vol. 68, pp. 667-672 (1986)	
	58	Wagner, Roland, et al., <i>Determination of Quinolinic Acid Phosphoribosyl-Transferase in Tobacco</i> , <u>Phytochemistry</u> , Vol. 23, No. 9, pp. 1881-1883 (1984)	
	59	Weintraub, et al., <i>Anti-sense RNA as a Molecular Tool for Genetic Analysis</i> , <u>Trends in Genetics</u> , Vol. 1, pp. 22-25 (1985)	
	60	West, et al., <i>Duplex-Duplex Interactions Catalyzed by RecA Protein Allow Strand Exchanges to Pass Double-Strand Breaks in DNA</i> , <u>C. II</u> , pp. 683-691 (1984)	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 5051-338C T QV	APPLICATION NO. 00/021,286
	APPLICANT Conkling et al.	
	FILING DATE 40 February 1998 December 30, 2003	GROUP 1638

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	2001/0026941 A1	10/04/01	Held et al.			
	2	6,281,410	08/28/01	Knauf et al.			01/15/99
	3	6,271,031	08/07/01	Falco et al.			08/09/99
	4	2001/0006797 A1	07/05/01	Kumagai et al.			
	5	6,255,560	07/03/01	Fraley et al.			01/11/99
	6	6,174,724	01/16/01	Rogers et al.			05/04/95
	7	6,165,715	12/26/00	Collins et al.			
	8	6,051,757	04/18/00	Barton et al.			06/05/95
	9	6,051,409	04/18/00	Hansen et al.			
	10	6,022,863	02/08/00	Peyman			
	11	5,994,629	11/30/99	Bojsen et al.			
	12	5,981,839	11/09/99	Knauf et al.			03/07/97
	13	5,976,880	11/02/99	Sautter et al.			
	14	5,962,768	10/05/99	Cornelissen et al.			
	15	5,932,782	08/03/99	Bidney			
	16	5,929,306	07/27/99	Torisky et al.			
	17	5,858,742	01/12/99	Fraley et al.			06/24/96
	18	5,858,774	01/12/99	Malbon et al.			10/16/95
	19	5,851,804	12/22/98	Snyder et al.			
	20	5,837,876	11/17/98	Conkling et al.			07/28/95
	21	5,834,236	11/10/98	Lamb et al.			
	22	5,830,728	11/03/98	Christou et al.			
	23	5,776,502	07/07/98	Foulkes et al.			
	24	5,776,771	07/07/98	Yu et al.			
	25	5,767,378	06/16/98	Bojsen et al.			
	26	5,759,829	06/02/98	Shewmaker et al.			06/05/95

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 5051-338	APPLICATION NO. 09/021,286
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998	GROUP 1638

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	27	5,731,179	03/24/98	Komari et al.			
	28	5,723,751	03/03/98	Chua			
	29	5,877,023	03/02/98	Sautter et al.			
	30	5,713,376	02/03/98	Berger			05/13/98
	31	5,693,512	12/02/97	Finer et al.			
	32	5,668,295	09/16/97	Wahab et al.			03/03/95
	33	5,635,381	06/03/97	Hooykaas et al.			
	34	5,530,196	06/25/96	Fraley et al.			09/02/94
	35	5,501,967	03/26/96	Offringa et al.			
	36	5,989,915	11/23/95	Christou et al.			
	37	5,464,763	11/07/95	Schilperoort et al.			12/23/93
	38	5,459,252	10/17/95	Conkling et al.			04/28/94
	39	5,352,605	10/04/94	Fraley et al.			10/28/93
	40	5,283,184	02/01/94	Jorgensen et al.			
	41	5,272,065	12/21/93	Inouye et al.			06/21/90
	42	5,231,020	07/27/93	Jorgensen et al.			
	43	5,208,149	05/04/93	Inouye et al.			04/10/92
	44	5,190,931	03/02/93	Inouye et al.			11/15/89
	45	5,149,645	09/22/92	Hoekema et al.			
	46	5,100,792	03/31/92	Sanford et al.			
	47	5,036,006	07/30/91	Sanford et al.			
	48	5,034,322	07/23/91	Rogers et al.			04/05/89
	49	4,954,442	09/04/90	Gelvin et al.			
	50	4,945,050	07/31/90	Sanford et al.			
	51	4,940,838	07/10/90	Schilperoort et al.			02/23/84
	52	4,885,248	12/05/89	Ahlquist			
	53	4,762,785	08/09/88	Comai			

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 5051-338	APPLICATION NO. 09/021,286
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998	GROUP 1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	54	4,693,976	09/15/87	Schilperoort			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	55	0 116 718 A1	29.08.84	European Patent Office				
	56	0 120 515 A2	03.10.84	European Patent Office				
	57	0 120 515 B1	03.10.84	European Patent Office				
	58	0 120 516 A2	03.10.84	European Patent Office				
	59	0 131 620 B1	23.01.85	European Patent Office				
	60	0 131 623 B1	06.03.91	European Patent Office				
	61	0 131 624 B1	23.01.85	European Patent Office				
	62	0 140 308 A2	08.05.85	European Patent Office				
	63	0 140 308 A3	08.05.85	European Patent Office				
	64	0 140 308 B1	08.05.85	European Patent Office				
	65	0 159 779 B1	30.10.85	European Patent Office				
	66	0 176 112 B1	02.04.86	Patent Cooperation Treaty				
	67	0 189 707 B1	06.08.86	European Patent Office				
	68	0 223 399 A1	27.05.87	European Patent Office				
	69	0 223 399 B1	27.05.87	Patent Cooperation Treaty				
	70	0 224 287 A1	03.06.87	European Patent Office				
	71	0 240 208 A2	07.10.87	European Patent Office				
	72	0 240 208 A3	07.10.87	European Patent Office				
	73	0 240 208 B1	07.10.87	European Patent Office				
	74	0 265 556 A1	04.05.88	European Patent Office				
	75	0 270 822 A1	15.06.88	European Patent Office				
	76	0 290 799 A2	17.11.88	European Patent Office				

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY: DOCKET NO. 5054-338	APPLICATION NO. 09/021,286
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998	GROUP 1638

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	77	0 290 799 A3	17.11.88	European Patent Office				
	78	0 320 500 A2	14.06.89	European Patent Office				
	79	0 320 500 A3	14.06.89	European Patent Office				
	80	0 458 367 A1	27.11.91	European Patent Office				
	81	0 486 214 A2	20.05.92	European Patent Office				
	82	0 486 214 A3	20.05.92	European Patent Office				
	83	0 486 234 B1	20.05.92	European Patent Office				
	84	EP 0 131 623 B2	23.01.85	European Patent Office				
	85	EP 0 458 367 B1	27.11.91	European Patent Office				
	86	EP 0 467 349 B1	22.01.92	European Patent Office				
	87	WO 84/ 02913	02.08.84	Patent Cooperation Treaty				
	88	WO 84/ 02919	02.08.84	Patent Cooperation Treaty				
	89	WO 84/ 02920	02.08.84	Patent Cooperation Treaty				
	90	WO 93/05646	01.04.93	Patent Cooperation Treaty				
	91	CA 1,341,091	05.09.00	Canadian Intellectual Property Office				
	92	WO 02/00927	03.01.02	Patent Cooperation Treaty				
	93	WO 00/12735	09.03.00	Taylor et al.				
	94	WO 00/18939	06.04.00	Bidney et al.				
	95	WO 00/29566	25.05.00	Reismeier et al.				
	96	WO 00/37060	29.06.00	Keller et al.				
	97	WO 00/37663	29.06.00	Harrison et al.				
	98	WO 00/63398	26.10.00	Risacher et al.				
	99	WO 00/67558	16.11.00	Timko				
	100	WO 01/09302	08.02.01	Armstrong et al.				
	101	WO 01/38514	31.05.01	Held et al.				
	102	WO 01/44482	21.06.01	Depicker et al.				
	103	WO 01/49844	12.07.01	Driscoll et al.				

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 5054-338	APPLICATION NO. 09/021,286
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998	GROUP 1638

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	104	WO 01/51630 A1	19.07.01	Kearney et al.				
	105	WO 01/68836 A2	20.09.01	Beach et al.				
	106	WO 01/77350 A2	18.10.01	Palmer et al.				
	107	WO 90/12084	18.10.90	Jorgensen et al.				
	108	WO 91/02070	21.02.91	Offringa et al.				
	109	WO 93/05163	18.03.93	Okkels et al.				
	110	WO 92/15680	17.09.92	Roth et al.				
	111	WO 93/05646	01.04.93	Davis et al.				
	112	WO 93/17116	02.09.93	Hooykaas et al.				
	113	WO 94/20627	15.09.94	Bojsen et al.				
	114	WO 94/26913	24.11.94	Cornelissen et al.				
	115	WO 94/28142	08.12.94	Wahab et al.				
	116	WO 95/16031	15.06.95	Komari et al.				
	117	WO 95/34668	21.12.95	Kumagai et al.				
	118	WO 95/35388	28.12.95	Mathews et al.				
	119	WO 96/21725	18.07.96	Hamilton				
	120	WO 97/05261	13.02.97	Conkling et al.				
	121	WO 97/08330	06.03.97	Collins et al.				
	122	WO 97/12046	03.04.97	Hansen et al.				
	123	WO 97/32016	04.09.97	Finer et al.				
	124	WO 97/41892	13.11.97	Snyder et al.				
	125	WO 97/44450	27.11.97	Peyman				
	126	WO 97/49727	31.12.97	Lamb et al.				
	127	WO 98/05757	12.02.98	Thompson et al.				
	128	WO 98/30701	16.07.98	Meyer				
	129	WO 98/32843	30.07.98	Zwick et al.				
	130	WO 99/10512	04.03.99	Dirks et al.				

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY: DOCKET NO. 5054-338	APPLICATION NO. 09/021,286
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998	GROUP 1638

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	131	WO 99/14348	25.03.99	Lefebvre et al.				
	132	WO 99/25854	27.05.99	Gordon-Kamm et al.				
	133	WO 99/32619	01.07.99	Fire et al.				
	134	WO 99/32642	01.07.99	Lowe et al.				
	135	WO 99/49029	30.09.99	Graham et al.				
	136	WO 99/53050	21.10.99	Waterhouse et al				
	137	WO 99/61631	02.12.99	Heifetz et al				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	138	Beck et al, "Nucleotide Sequence and Exact Localization of the Neomycin Phosphotransferase Gene from Transposon Tn 5", Gene, 19: 327-336 (1982).
	139	Bevan & Flavell, "A Chimaeric Antibiotic Resistance Gene as a Selectable Marker for Plant Cell Transformation", Nature, 304: 184-187 (1983).
	140	Chilton et al., "Tailoring the Agrobacterium Ti Plasmid as a Vector for Plant Genetic Engineering", Stadler Symp., 13: 39-53 (1981).
	141	Colbere-Garapin et al., "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol., 150: 1-14 (1981).
	142	Davies and Jimenez, "A New Selective Agent for Eukaryotic Cloning Vectors", Am. J. Trop. Med. Hyg., 29(5): 1089-1092 (1980).
	143	Depicker et al., "Nopaline Synthase: Transcript Mapping and DNA Sequence", Journal of Molecular and Applied Genetics, 1(6): 561-573 (1982).
	144	Fraley et al., "Expression of Bacterial Genes in Plant Cells", Proc. Natl. Acad. Sci. USA, 80: 4803-4807 (1983).
	145	Fraley et al., "Use of a Chimeric Gene to Confer Antibiotic Resistance to Plant Cells", Advances in Gene Technology: Molecular Genetics of Plants and Animals, 20: 211-221 (1983).
	146	Framond et al., "Mini-Ti: A New Vector Strategy for Plant Genetic Engineering", BIO/TECHNOLOGY, 5: 262-269 (1983).
	147	Halk et al., "Cloning of Alfalfa Mosaic Virus Coat Protein Gene and Anti-Sense RNA into Binary Vector and Their Expression in Transformed Tobacco Tissue", Molecular Strategies for Crop Protection, p.41.
	148	Hermaisteens et al., "The Agrobacterium Tumefaciens Ti Plasmid as a Host Vector System for Introducing Foreign DNA in Plant Cells", Nature, 287: 654-656 (1980).
	149	Herrera-Estrella et al., "Chimeric Genes as Dominant Selectable Markers in Plant Cells", The Embo Journal, 2(6): 987-995 (1993).
	150	Herrera-Estrella et al., "Expression of Chimaeric Genes Transferred into Plant Cells Using a Ti-Plasmid-Derived Vector", Nature, 303: 209-213 (1983).

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY: DOCKET NO. 5051-338	APPLICATION NO. 09/021,286
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Conkling et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE 10 February 1998	GROUP 1638

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
151	Hooykaas et al., "The Ti-Plasmid of Agrobacterium Tumefaciens: A Natural Genetic Engineer", TIBS, 307-309 (1985).
152	Horsch et al., "A Simple and General Method for Transferring Genes into Plants", Biological Sciences, 227: 1229-1231 (1985).
153	Lorz et al., "Transformation Studies Using Synthetic DNA Vectors Coding For Antibiotic Resistance", Plant Tissue Culture, 511-512 (1982).
154	Smith et al., "Antisense RNA Inhibition of Polygalacturonase Gene Expression in Transgenic Tomatoes", Nature, 334: 724-726 (1988).
155	Wang et al., "Right 25 bp Terminus Sequence of the Nopaline T- DNA is Essential for and Determines Direction of DNA Transfer from Agrobacterium to the Plant Genome", Cell, 38: 455-462 (1984).
156	Database entry of Ensembl Human Genome Server, AC006461.2.1.181215, BLASTN 2.0a13MP-WashU [10-Jun-1997], 2 pp.
157	Database entry of Ensembl Human Genome Server, AC024028.10.1.176278, BLASTN 2.0a13MP-WashU [10-Jun-1997], 3 pp.
158	Database entry of Ensembl Human Genome Server, AC069205.6.1.132242, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
159	Database entry of Ensembl Human Genome Server, AC097498.3.1.144511, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
160	Database entry of Ensembl Human Genome Server, AC104785.4.111369.213599, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
161	Database entry of Ensembl Human Genome Server, AC105416.3.1.123331, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
162	Database entry of Ensembl Human Genome Server, AC108146.3.1.91810, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
163	Database entry of Ensembl Human Genome Server, AC115109.2.1.59356, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
164	Genbank entry U27809. Peanut bud necrosis virus S segment non-structural protein and nucleocapsid protein genes, 23-Jul-1996, 3 pp.
165	The Sanger Centre, "Toward a Complete Human Genome Sequence", Cold Spring Harbor Laboratory Press, 1097-1108, (1988).
166	Satyanarayana et al., "Peanut Bud Necrosis Tospovirus S RNA : Complete Nucleotide Sequence, Genome Organization and Homology to Other Tospoviruses", Arch. Virol. 141 (1), 85-98 (1996)
167	Genbank entry AB005879. Nicotiana tabacum mRNA for BYJ6, 05-Feb-1999, 2pp.
168	Genbank entry AC002131. Arabidopsis thaliana chromosome 1 BAC F12F1 sequence, 28-May-1998, 38 pp.
169	Genbank entry AC006461. Homo sapiens BAC clone RP11-343N14 from 2, 01-Mar-2002, 65 pp.
170	Genbank entry AC024028. Homo sapiens BAC clone RP11-151M24 from 7, 07-Nov-2001, 68 pp.
171	Genbank entry AC069205. Homo sapiens BAC clone RP11-735P12 from 2, 09-Jan-2002, 46 pp.
172	Genbank entry AC079141. Homo sapiens BAC clone RP11-502A23 from 4, 07-Nov-2001, 43 pp.
173	Genbank entry AC097498. Homo sapiens BAC clone RP11-326N15 from 4, 01-Mar-2002, 51pp.

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY: DOCKET NO. 5054-338	APPLICATION NO. 09/021,286
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998	GROUP 1638

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
174	Genbank entry AC105416. Homo sapiens BAC clone RP11-310A13 from 4, 12-Jun-2002, 47 pp.	
175	Genbank entry AC108146. Homo sapiens BAC clone RP11-437H3 from 2, 09-Mar-2002, 32 pp.	
176	Genbank entry AC115109. Homo sapiens BAC clone RP11-78110 from 2, 29-May-2002, 23 pp.	
177	Genbank entry AR164048. Sequence 7 from patent US 6271031, 17-Oct-2001, 1 pp.	
178	Genbank entry AR164050. Sequence 11 from patent US 6271031, 17-Oct-2001, 1pp.	
179	Genbank entry AX344860. Sequence 285 from patent US WO0200927, 1-Feb-2002, 4pp.	
180	Imanishi et al., "Differential Induction by Methyl Jasmonate of Genes Encoding Ornithine Decarboxylase and Other Enzymes Involved in Nicotine Biosynthesis in Tobacco Cell Cultures", Plant Molecular Biology, 38: 1101-1111 (1998).	
181	Results of search of Genbank Database, BLASTN 2.2.3 [Apr-24-2002], RID:1026175671-06698-1397, 15pp.	
182	Results of search of Genbank Database, BLASTN 2.2.3 [Apr-24-2002], RID:1026319792-012476-25945, 30pp.	
183	Theologis et al., "Sequence and Analysis of Chromosome 1 of the Plant Arabidopsis Thaliana", Nature, 408: 816-820 (2000).	

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	